COMMON SPECIFICATIONS

Size	3.1" x 2.5" x 1.0"
Weight	2.8 ounces
Case	Heavy-duty ABS
Operating temp	-40 to 85 °C
Storage temp	-40 to 85 °C
Humidity	0 to 98% non-condensing
Clock accuracy	±2 seconds/day
Battery	3.6V lithium, 2.1 AH
Battery life	10 year life typical
Memory	21,280 or 43,120 samples
A/D Resolution	12-bit
Sample interval	0.125 sec to 24 hr
Power consumption	0µA connected to PC 18µA running on battery
Temp sensor	IC, -40 to 85 °C range
Temp accuracy	±0.5 °C across range
Front panel	Start/stop button, status LED
Sensor connector	Removable screw terminals
PC requirements	one free serial port Win NT or 95 or greater Excel 97 or greater 2MB hard disk space
Serial cable	IQ-Com (6 ft w/DB9F)

MODEL SPECIFICATIONS

IQ-Temp

Ambient temperature logger

Type	semiconductor
Resolution	0.03 °C
Internal Temp Range	-40 to 85 °C
Temp Accuracy	±0.5 °C entire range

IQ-TempXT

External temperature with internal temp sensor

Internal Temp Range	-40 to 85 °C
External Temp Range	-40 to 125 °C
Temp Accuracy	±0.5 °C
External probe	included
Pin Out	1=White, 2=Red, 3=Black

IQ-VmA

Volts/milliamps input with internal temperature sensor

Internal Temp Range	-40 to 85 °C
Internal Temp Accuracy	±0.5 °C
Input Ranges *(software selectable)*	0-333 mV, 0-1.2V, 0-5V, 0-10V, 0-30V, ±1.2V, ±5V, ±10V, ±30, 0-20mA
Accuracy	±0.3% of full scale
Pin Out	1=V+, 2=V-, 3=mA-, 4=mA+

IQ-TC

Thermocouple input with internal temp sensor

Internal Temp Range	-40 to 85 °C
Internal Temp Accuracy	±0.5 °C
Input Ranges (°C) *(software selectable)*	Type J = -200 to 750 Type K = -200 to 1250 Type T = -200 to 350 Type E = -200 to 900
Accuracy	depends upon sensor
External probe	not included
Pin Out	2-Negative, 3=Positive

IQ-TRH

Ambient temperature & humidity logger

Internal Temp Range	-40 to 85 °C
Temp Accuracy	±0.5 °C
RH Range	0-98% non-condensing
RH Accuracy	±4%

IQ-Event

Event counting/timing with internal temperature sensor

Internal Temp Range	-40 to 85 °C
Internal Temp Accuracy	±0.5 ° C
Ranges	<60V pulse (with software selectable 1.2V, 0.6V or 0.3V thresholds) or contact closure
Pin Out	3=Negative, 4=Positive

Partial Accessory List

IQ-PCIK	Start Kit (IQ-Com & IQ-Wizard)
IQ-Com	Extra serial cable & adapter
IQ-Wizard	Excel add-in software for IQ loggers
IQ-XTP	Extra external probe for IQ-TempXT
IQ-Lock	Master lock to fit IQ security hole
IQ-Battery	3.6V AA replacement battery for IQ

Split core Current Transformers for measuring AC current with IQ-VmA:

CT-0750-005	Split-core CT, 0.75", 5A
CT-0750-015	Split-core CT, 0.75", 15A
CT-0750-050	Split-core CT, 0.75", 50A
CT-1250-100	Split-core CT, 1.25", 100A
CT-1250-200	Split-core CT, 1.25", 200A
CT-1250-400	Split-core CT, 1.25", 400A
CT-1250-600	Split-core CT, 1.25", 600A

Other CTs up to 1500A available by special order

For a complete list of thermocouples and additional IQ accessories, please visit our web site.